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11:36:51 [0](#)

[#27](#) Search **#26 and crystal**

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[#26](#) Search **P6(5)22**

11:35:59 [256](#)

[#24](#) Search **space group and P6522**

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[#22](#) Search **#12 and space group**

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[#19](#) Search **#1 and corbett**

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09:25:53 [15](#)

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(FILE 'HOME' ENTERED AT 12:45:07 ON 13 AUG 2007)

FILE 'CAPLUS' ENTERED AT 12:45:25 ON 13 AUG 2007

L1 13680 S GLUCOKINASE OR HEXOKINASE
L2 110 S L1 AND CRYSTAL
L3 34 S L2 AND HUMAN
L4 0 S L1 AND CYRSTAL?
L5 190 S L1 AND CRYSTAL?
L6 62 S L5 AND HUMAN
L7 18 S L6 AND LIVER

=> d L7 1-17

L7 ANSWER 1 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2007:117791 CAPLUS
DN 146:203915
TI Gene expression profile for diagnosing small cell lung cancer,
discriminating from non-small cell lung cancer, and assessing
chemotherapy-resistant lung cancer
IN Nakamura, Yusuke; Daigo, Yataro; Nakatsuru, Shuichi
PA Oncotherapy Science, Inc., Japan; The University of Tokyo
SO PCT Int. Appl., 215pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007013665	A2	20070201	WO 2006-JP315254	20060726
	WO 2007013665	A3	20070705		
PRAI	US 2005-703192P	P	20050727		
	US 2006-799961P	P	20060511		

L7 ANSWER 2 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:1157631 CAPLUS
DN 145:483673
TI Novel methods and devices for evaluating poisons
IN Ching, Edwin P.; Johnson, Dale E.; Sudarsanam, Sucha
PA Emiliem, USA
SO PCT Int. Appl., 132pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006116622	A2	20061102	WO 2006-US16067	20060426
	US 2006253262	A1	20061109	US 2006-380388	20060426
PRAI	US 2005-675741P	P	20050427		
	US 2006-778133P	P	20060301		

L7 ANSWER 3 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:795802 CAPLUS
DN 145:246606
TI Marker genes for the diagnosis of chronic fatigue syndrome by gene
expression profiling
IN Gow, John; Chaudhuri, Abhijit
PA The University Court of the University of Glasgow, UK
SO PCT Int. Appl., 169pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2006082390 A1 20060810 WO 2006-GB332 20060201
PRAI GB 2005-2042 A 20050201
RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2006:238155 CAPLUS
DN 144:310062
TI Genes showing altered levels of expression in pancreatic disease and their use in diagnosis and prognosis of pancreatic cancer
IN Kloeppel, Guenter; Luettgies, Jutta; Kalthoff, Holger; Ammerpohl, Ole; Gruetzmann, Robert; Pilarsky, Christian; Saeger, Hans Detlev; Alldinger, Ingo
PA Technische Universitaet Dresden, Germany
SO Ger. Offen., 132 pp.
CODEN: GWXXBX
DT Patent
LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 102004042822	A1	20060316	DE 2004-102004042822	20040831
	WO 2006024283	A2	20060309	WO 2005-DE1527	20050826
	WO 2006024283	A3	20060831		
PRAI	DE 2004-102004042822	A	20040831		

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:943290 CAPLUS
DN 143:381740
TI A novel glucokinase activator modulates pancreatic islet and hepatocyte function
AU Efanov, Alexander M.; Barrett, David G.; Brenner, Martin B.; Briggs, Stephen L.; Delaunois, Annie; Durbin, Jim D.; Giese, Ulrich; Guo, Haihong; Radloff, Mark; Gil, Gema Sanz; Sewing, Sabine; Wang, Yong; Weichert, Andreas; Zaliani, Andrea; Gromada, Jesper
CS Lilly Research Laboratories, Hamburg, 22419, Germany
SO Endocrinology (2005), 146(9), 3696-3701
CODEN: ENDOAO; ISSN: 0013-7227
PB Endocrine Society
DT Journal
LA English

RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:671727 CAPLUS
DN 143:166667
TI The curcuminoids- and anthocyanins-responsive genes in human adipocytes and their use in screenings of anti-obesity and anti-diabetes drugs
IN Ueno, Yuki; Tsuda, Takanori; Takanori, Hitoshi; Yoshikawa, Toshikazu; Osawa, Toshihiko
PA Biomarker Science Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 85 pp.
CODEN: JKXXAF
DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005198640	A	20050728	JP 2004-53258	20040227
PRAI	JP 2003-394758	A	20031125		

L7 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2005:465773 CAPLUS
DN 143:39799
TI Crystal structures of human glucokinase
AU Kamata, Kenji; Nagata, Yasufumi
CS Protein Chem., Tsukuba Res. Inst., Banyu Pharm. Co., Ltd., Tsukuba,

300-2611, Japan
SO Nippon Kessho Gakkaishi (2005), 47(2), 130-134
CODEN: NKEGAF; ISSN: 0369-4585
PB Nippon Kessho Gakkai
DT Journal; General Review
LA Japanese

L7 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2005:447673 CAPLUS

DN 143:20875

TI Differentially expressed gene profile for diagnosing and treating mental disorders

IN Akil, Huda; Atz, Mary; Bunney, William E., Jr.; Choudary, Prabhakara V.; Evans, Simon J.; Jones, Edward G.; Li, Jun; Lopez, Juan F.; Myers, Richard; Thompson, Robert C.; Tomita, Hiroaki; Vawter, Marquis P.; Watson, Stanley

PA The Board of Trustees of the Leland Stanford Junior University, USA

SO PCT Int. Appl., 226 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005046434	A2	20050526	WO 2004-US36784	20041105
	US 2005209181	A1	20050922	US 2004-982556	20041104
	AU 2004289247	A1	20050526	AU 2004-289247	20041105
	CA 2543811	A1	20050526	CA 2004-2543811	20041105
	EP 1680009	A2	20060719	EP 2004-800741	20041105
PRAI	US 2003-517751P	P	20031105		
	US 2004-982556	A	20041104		
	WO 2004-US36784	W	20041105		

L7 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2005:394682 CAPLUS

DN 142:445550

TI Gene expression profiles for the diagnosis and prognosis of breast cancer

IN Erlander, Mark; Ma, Xiao-Jun; Wang, Wei; Wittliff, James L.

PA Arcturus Bioscience, Inc. University of Louisville, USA

SO U.S. Pat. Appl. Publ., 40 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005095607	A1	20050505	US 2004-795092	20040305
	WO 2005098037	A1	20051020	WO 2004-US6760	20040305
	EP 1651772	A1	20060503	EP 2004-718019	20040305
	JP 2007516692	T	20070628	JP 2006-532313	20040305
PRAI	US 2003-453006P	P	20030307		
	WO 2004-US6760	W	20040305		

L7 ANSWER 10 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2005:60754 CAPLUS

Correction of: 2004:1036571

DN 142:233342

Correction of: 142:16836

TI Sequences of human schizophrenia related genes and use for diagnosis, prognosis and therapy

IN Liew, Choong-Chin

PA Chondrogene Limited, Can.

SO U.S. Pat. Appl. Publ., 156 pp., Cont.-in-part of U.S. Ser. No. 802,875..

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 33

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004241727	A1	20041202	US 2004-812731	20040330
	US 2004014059	A1	20040122	US 2002-268730	20021009

	US 2007031841	A1	20070208	US 2003-601518	20030620
	US 2006134635	A1	20060622	US 2004-802875	20040312
	US 2005191637	A1	20050901	US 2004-803737	20040318
	US 2005196762	A1	20050908	US 2004-803759	20040318
	US 2005196763	A1	20050908	US 2004-803857	20040318
	US 2005196764	A1	20050908	US 2004-803858	20040318
	US 2005208505	A1	20050922	US 2004-803648	20040318
	US 2005208519	A1	20050922	US 2004-989191	20041115
PRAI	US 1999-115125P	P	19990106		
	US 2000-477148	B1	20000104		
	US 2002-268730	A2	20021009		
	US 2003-601518	A2	20030620		
	US 2004-802875	A2	20040312		
	US 2001-271955P	P	20010228		
	US 2001-275017P	P	20010312		
	US 2001-305340P	P	20010713		
	US 2002-85783	A2	20020228		
	US 2004-812731	A2	20040330		
	WO 2004-US20836	A2	20040621		
L7	ANSWER 11 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN				
AN	2004:718744 CAPLUS				
DN	141:242025				
TI	Inflammation-associated genes and proteins for assessing transplant recipient's risk of delayed graft function, graft rejection and long-term prognosis				
IN	Strom, Terry B.; Libermann, Towia; Schachter, Asher				
PA	Beth Israel Deaconess Medical Center, Inc., USA				
SO	PCT Int. Appl., 52 pp.				
	CODEN: PIXXD2				
DT	Patent				
LA	English				
FAN.CNT	1				
	PATENT NO.	KIND.	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 2004074815	A2	20040902	WO 2004-US4839	20040217
	WO 2004074815	A3	20050113		
	AU 2004213839	A1	20040902	AU 2004-213839	20040217
	CA 2516013	A1	20040902	CA 2004-2516013	20040217
	EP 1599602	A2	20051130	EP 2004-711942	20040217
	US 2007122806	A1	20070531	US 2006-545198	20060706
PRAI	US 2003-447540P	P	20030214		
	WO 2004-US4839	A	20040217		
L7	ANSWER 12 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN				
AN	2004:691918 CAPLUS				
DN	142:351070				
TI	Crystal structure of human liver glucokinase bound to a small molecule allosteric activator: Insights into the activating mutations				
AU	Dunten, Pete; Swain, Amy; Kammlott, Ursula; Crowther, Robert; Lukacs, Christine M.; Levin, Wayne; Reik, Linda; Grimsby, Joseph; Corbett, Wendy L.; Magnuson, Mark A.; Matschinsky, Franz M.; Grippo, Joseph F.				
CS	Department of Chemistry, Hoffmann-La Roche, Nutley, NJ, USA				
SO	Frontiers in Diabetes (2004), 16(Glucokinase and Glycemic Disease), 145-154				
	CODEN: FDIADJ; ISSN: 0251-5342				
PB	S. Karger AG				
DT	Journal				
LA	English				
RE.CNT	28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD				
	ALL CITATIONS AVAILABLE IN THE RE FORMAT				
L7	ANSWER 13 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN				
AN	2004:355085 CAPLUS				
DN	140:369944				
TI	Human tissue-specific housekeeping genes identified by expression profiling				
IN	Aburatani, Hiroyuki; Yamamoto, Shogo				
PA	NGK Insulators, Ltd., Japan				
SO	PCT Int. Appl., 372 pp.				

CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004035785	A1	20040429	WO 2002-JP10753	20021016
	AU 2002344094	A1	20040504	AU 2002-344094	20021016
	US 2004229233	A1	20041118	US 2003-684422	20031015
PRAI	US 2002-418614P	P	20021016		
	WO 2002-JP10753	A	20021016		

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2004:216695 CAPLUS
DN 141:49546
TI Structural Basis for Allosteric Regulation of the Monomeric Allosteric Enzyme Human Glucokinase
AU Kamata, Kenji; Mitsuya, Morihiko; Nishimura, Teruyuki; Eiki, Jun-ichi; Nagata, Yasufumi
CS Banyu Tsukuba Research Institute (in collaboration with) Merck Research Laboratories, Tsukuba, Ibaraki, 300-2611, Japan
SO Structure (Cambridge, MA, United States) (2004), 12(3), 429-438
CODEN: STRUE6; ISSN: 0969-2126
PB Cell Press
DT Journal
LA English

RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 15 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:931495 CAPLUS
DN 139:392892
TI Human liver glucokinase crystals, and use for structure-based drug design
IN Kamata, Kenji; Nagata, Yasufumi; Iwama, Toshiharu
PA Banyu Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 325 pp.
CODEN: PIXXD2
DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003097824	A1	20031127	WO 2003-JP6054	20030515
	CA 2490023	A1	20031127	CA 2003-2490023	20030515
	AU 2003235307	A1	20031202	AU 2003-235307	20030515
	EP 1518925	A1	20050330	EP 2003-723380	20030515
PRAI	JP 2002-142232	A	20020516		
	WO 2003-JP6054	W	20030515		

OS MARPAT 139:392892

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 16 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN
AN 2003:913280 CAPLUS
DN 139:379453
TI Genes showing altered patterns of expression in multiple sclerosis and their diagnostic and therapeutic uses
IN Dangond, Fernando; Hwang, Daehee
PA Brigham and Women's Hospital, Inc., USA
SO PCT Int. Appl., 148 pp.
CODEN: PIXXD2
DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003095618	A2	20031120	WO 2003-US14462	20030507
	WO 2003095618	A3	20041021		

	US 2004018522	A1	20040129	US 2003-430762	20030506
	AU 2003228936	A1	20031111	AU 2003-228936	20030507
PRAI	US 2002-379284P	P	20020509		
	US 2003-430762	A1	20030506		
	WO 2003-US14462	W	20030507		

L7 ANSWER 17 OF 18 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2002:937303 CAPLUS

DN 138:20443

TI Endocrine disruptor screening using DNA chips of endocrine
disruptor-responsive genes

IN Kondo, Akihiro; Takeda, Takeshi; Mizutani, Shigetoshi; Tsujimoto,
Yoshimasa; Takashima, Ryokichi; Enoki, Yuki; Kato, Ikunoshin

PA Takara Bio Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 386 pp.

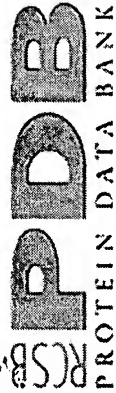
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DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 2002355079	A	20021210	JP 2002-69354	20020313
PRAI	JP 2001-73183	A	20010314		
	JP 2001-74993	A	20010315		
	JP 2001-102519	A	20010330		



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Crystal structure of human glucokinase



Characteristics

Release Date: 30-Mar-2004 Exp. Method: X Ray Diffraction

Resolution: 2.30 Å

Classification

Transferase

Compound

Polymer: 1 Molecule: glucokinase isoform 2 Fragment: RESIDUES 11-465 Chains: A EC

no.: 2.7.1.1 EC

Authors

Kamata, K., Mitsuya, M., Nishimura, T., Eiki, J., Nagata, Y.

☒ 1v4t


Crystal structure of human glucokinase



Characteristics

Release Date: 30-Mar-2004 Exp. Method: X Ray Diffraction

Resolution: 3.40 Å

Classification

Transferase

Compound

Polymer: 1 Molecule: glucokinase isoform 2 Fragment: RESIDUES 15-465 Chains: A EC

no.: 2.7.1.1 EC

Authors

Kamata, K., Mitsuya, M., Nishimura, T., Eiki, J., Nagata, Y.

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